

IN THE DRAWINGS

Corrected drawings are supplied herewith.

Enclosed is a Replacement Sheet showing the following amendment to Figure 8. The reference character used to designate "Channel Clock" should have been "808" instead of "803". Enclosed is a copy of Figure 8 of the drawings showing the correction of the reference character in Figure 8 in red ink.

REMARKS

This responds to the Office Action dated on December 27, 2005, and the references cited therewith.

Claims 4, 7, 10-14, 16-24 and 26-29 are amended, claims 15 and 25 are canceled, and no new claims are added; as a result, claims 1-14, 16-24 and 26-29 are now pending in this application.

Claim Objections

Claims 4 and 7 were objected to due to informalities. Applicant has amended claims 4 and 7 to overcome the objections.

§112 Rejection of the Claims

Claims 10-29 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicant has amended claims 10-14, 16-24 and 26-29 to more clearly point out and distinctly claim the subject matter which Applicant regards as the invention

§102 Rejection of the Claims

Claims 10-12 and 20-22 were rejected under 35 U.S.C. § 102(b) as being anticipated by Pocrass (U.S. Patent No. 5,428,806 A). Claims 10-12 and 20-22 have been amended to incorporate the limitations of allowed claims 1 and 2. Applicant respectfully submits that claims 10-12 and 20-22 as amended do distinguish over Pocrass. Reconsideration of claims 10-12 and 20-22 is respectfully requested.

§103 Rejection of the Claims

Claim 8 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Taylor (U.S. Patent No. 6,573,764 B1) in view of Doluca (U.S. Patent No. 5,760,620 A) and Miller et al. (6,181,912).

Taylor describes a driver/receiver circuit which can be used to send and receive bi-directional data across a differential line. Taylor describes the use of an isolation circuit 32 and an offset generator circuit 33 to reduce common mode noise in differential lines. The Examiner notes that Taylor does not correct for temperature variations or deskew the receive signal.

As the Examiner notes, Doluca states that cold temperatures and fast process variations increase the drive of the clock driver, causing the output voltage swing to increase, which increases power dissipation. Doluca does not teach or suggest, however, how to control for variations in temperature and/or process.

In contrast, Applicant teaches, and claims in claim 8, monitoring temperature and increasing the output swing to correct for the decrease in output voltage swing that occurs naturally as temperature increases (as noted by Doluca above).

Miller describes a method of deskewing data received from two or more data receivers in order to time-align the data. This is needed in order to distinguish between reflections of a signal transmitted from a single source (often referred to as “diversity signals”). A deskew buffer is used to store a stream of data from each of two or more satellites and the contents of the deskew buffers are time-aligned.

In contrast, Applicant teaches, and claims in claim 8, deskewing a single receive signal as a function of skew detected between data lines in the communications medium. The signals being deskewed are not diversity signals. For the above reasons Applicant respectfully submits that claim 8 does distinguish over the combination of Taylor, Doluca and Miller. Reconsideration of claim 8 is respectfully requested.

Claims 13-19 and 23-29 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Pocrass (U.S. Patent No. 5,428,806 A) in view of Miller et al. (6,181,912). Claims 13-19 and 23-29 have been amended to incorporate limitations of corresponding allowed claims 3-7. Applicant respectfully submits that claims 13-19 and 23-29 as amended do distinguish over Pocrass. Reconsideration of claims 13-19 and 23-29 is respectfully requested.

Allowable Subject Matter

Claims 1-3 and 5-6 were allowed.

Claims 4 and 7 were indicated to be allowable if rewritten to overcome the objections set forth in the Office Action. Applicant has amended claims 4 and 7 as requested by the Examiner.

Claim 9 was not rejected or allowed by the Examiner. Applicant respectfully submits that claim 9 is patentable since none of the references cited by the Examiner describe a method of transferring data as described by Applicant and claimed in claim 9.

CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney at (612) 373-6909 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

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By their Representatives,

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Date June 27, 2006

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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 27th day of June, 2006.

Thomas F. Brennan

Name

Thomas F. Brennan

Signature



TITLE: METHOD AND APPARATUS FOR COMMUNICATING COMPUTER DATA FROM ONE POINT TO ANOTHER OVER A COMMUNICATIONS MEDIUM
 INVENTOR'S NAME: Michael R. Arneson, et al.
 SERIAL NO.: 09/620,373 DOCKET NO.: 499.088US1

8/20

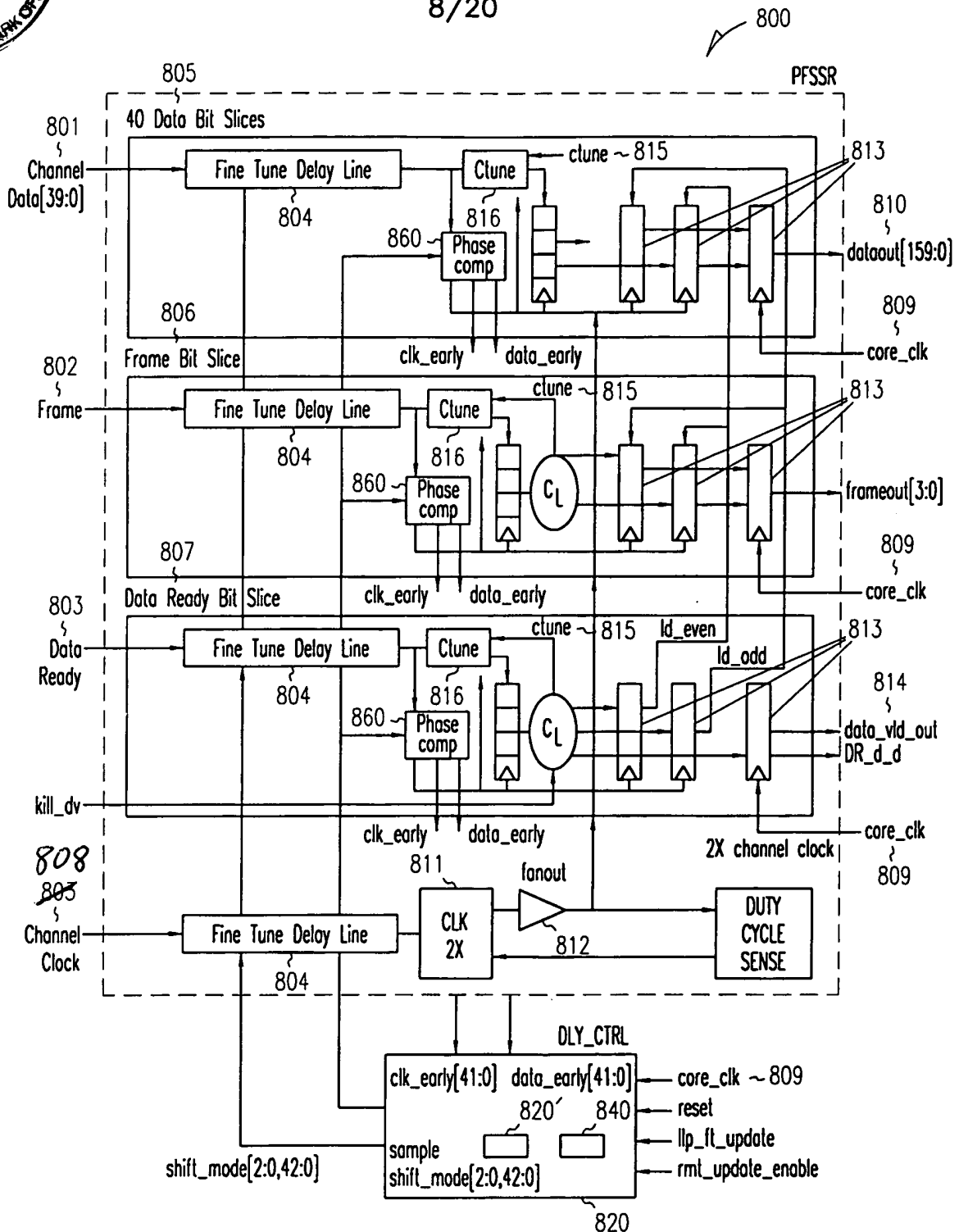


FIG. 8